WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:
Kittitas Valley Small Stream Spawning Enhancement Project

2. Name of applicant:
Yakama Nation Fisheries

3. Address and phone number of applicant and contact person:

Todd Newsome, Yakama Nation Yakima/Klickitat Fisheries Project, Fisheries Biologist

P.O. Box 151

Toppenish, WA 98948

tnews@yakama.com

(509) 945-5729

4. Date checklist prepared:
June 18, 2013

5. Agency requesting checklist:
WDFW

6. Proposed timing or schedule (including phasing, if applicable):

Work will occur from August 1 thru October 15 in the approved instream work window. Pilot applications of this project are proposed to occur in 2013 in Reecer and Wilson Creeks near the City of Ellensburg. Monitoring the effectiveness of this application may lead to future project sites within the Reecer, Wilson, Naneum, and Cherry Creek Watersheds. Additional boulders and/or gravels may be placed into the treatment reaches through 2020.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.
Monitoring will occur for 2-3 years to assess the effectiveness of the spawning enhancement projects proposed in Reecer and Wilson Creeks. If they prove successful at improving spawning success and egg survival, additional sites may be proposed the Reecer, Wilson, Naneum, and Cherry Creek Watersheds.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
Grant proposal from Yakama Nation to Pacific Coastal Salmon Recovery Fund (PCSRF)
Permit Applications

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.
None known

10. List any government approvals or permits that will be needed for your proposal, if known.
SEPA
HPA from Washington Department of Fish and Wildlife
Floodplain Development Permit-Kittitas County and City of Ellensburg
SMP/CAO Permit or Exemptions-Kittitas County and City of Ellensburg
CWA Section 404 from US Army Corps of Engineers
CWA Section 401 from Washington Department of Ecology
ESA Section 7 with USFWS and NOAA Fisheries
NHPA Section 106 with State and Tribes

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)
Reecer and Wilson Creeks in the lower Kittitas Valley are low elevation streams that have revealed excellent juvenile Coho salmon survival. Both Reecer Creek and Wilson Creek have relatively warm winter temperatures and cool summer temperatures (as compared to mainstem Upper Yakima River), giving rearing juvenile coho salmon an average survival of 29% and 20% respectively. However, because the streams flow through agricultural and urban development, they have been confined and straightened such that sediment transport is severely limited. Levees keep the systems from migrating throughout their floodplains and undersized crossing structures further limit lateral migration and sediment transport. These factors have limited the amount of gravel in the lower ends of both tributaries and therefore, both streams are spawning habitat limited due to anthropogenic causes. They are incised and have very little structure to sort gravels and/or create varying hydraulic conditions. They are for the most part straight and have homogenous habitat, but are heavily influenced by hyporheic exchange which is beneficial for incubating salmon eggs and rearing fry.
This project has been set up as a pilot spawning enhancement project. Five sites have been selected, two sites in Reecer Creek and three sites in Wilson Creek. Each site will have a combination of spawning gravel and boulders strategically placed within a 300-500 meter reach. There will be a control reach adjacent to the site. All spawning in and near each site has been well documented

in the past and monitoring will continue post implementation. The goal is evaluate a low cost enhancement strategy to plane bed stream systems that may provide immediate benefits for spawning coho and egg survival. The project will follow recommendations in the Stream Habitat Restoration Guidelines (WDFW 2012) for boulder clusters and spawning gravel placement.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

Lower Reecer Creek

1. Stream Mile 0.5 Reecer Creek, WRIA 39
2. Located with the City of Ellensburg's Irene Rinehart Park
3. ~1351 Umptanum Road Ellensburg, WA 98926
4. Project extends from trail bridge downstream of I-90 for 300 meters downstream
5. Parcel # 865436
6. SW ¼ Section 3, Township17, Range 18
7. 46.9903^{o}N, -120.5727^{o}W

Upper Reecer Creek

1. Stream Mile 1.0 Reecer Creek, WRIA 39
2. Located immediately downstream of Dolarway Road on City of Ellensburg property
3. ~1900 Dolarway Road Ellensburg, WA 988926
4. Project extends downstream of Dolarway Road for 400 meters
5. Parcel # 228133
6. NW ¼ Section 3, Township 17, Range 18 and SW ¼ Section 34, Township 18, Range 18
7. 46.9871^{o}N, -120.5782^{o}W

Lower Wilson Creek

1. Stream Mile 1.7 Wilson Creek, WRIA 39
2. Located in private pasture adjacent to I-82 and across freeway from Fio Rio Ponds
3. 473 Thrall Road Ellensburg, WA 98926
4. Project extends upstream from the confluence with Naneum Creek for 300 meters
5. Parcel # 12310
6. NE ¼ Section 30, Township 17, Range 19
7. 46.9376^{o}N, -120.5077^{o}W

Middle Wilson Creek

1. Stream Mile 5.5 Wilson Creek, WRIA 39
2. Located adjacent to the City of Ellensburg's Waste Water Treatment Plant
3. ~3300 Canyon Road Ellensburg, WA 98926
4. Project extends upstream of the access bridge for 500 feet on the south side of the Plant
5. Parcel #s 168733, 188733
6. NE ¼ Section 14, Township 17, Range 18
7. 46.9679^{o}N, -120.54033^{o}W

Upper Wilson Creek

1. Stream Mile 6.5 Wilson Creek, WRIA 39
2. Located upstream of the I-90 crossing and adjacent to Mattoon Lake
3. ~300 Umptanum Road Ellensburg, WA 98926
4. Project extends upstream from I-90 for 300 meters
5. Parcel #s 956117, 956118, 956119, 956120
6. SE ¼ Section 11, Township 17, Range 18
7. 46.9762^{o}N, -120.5467^{o}W

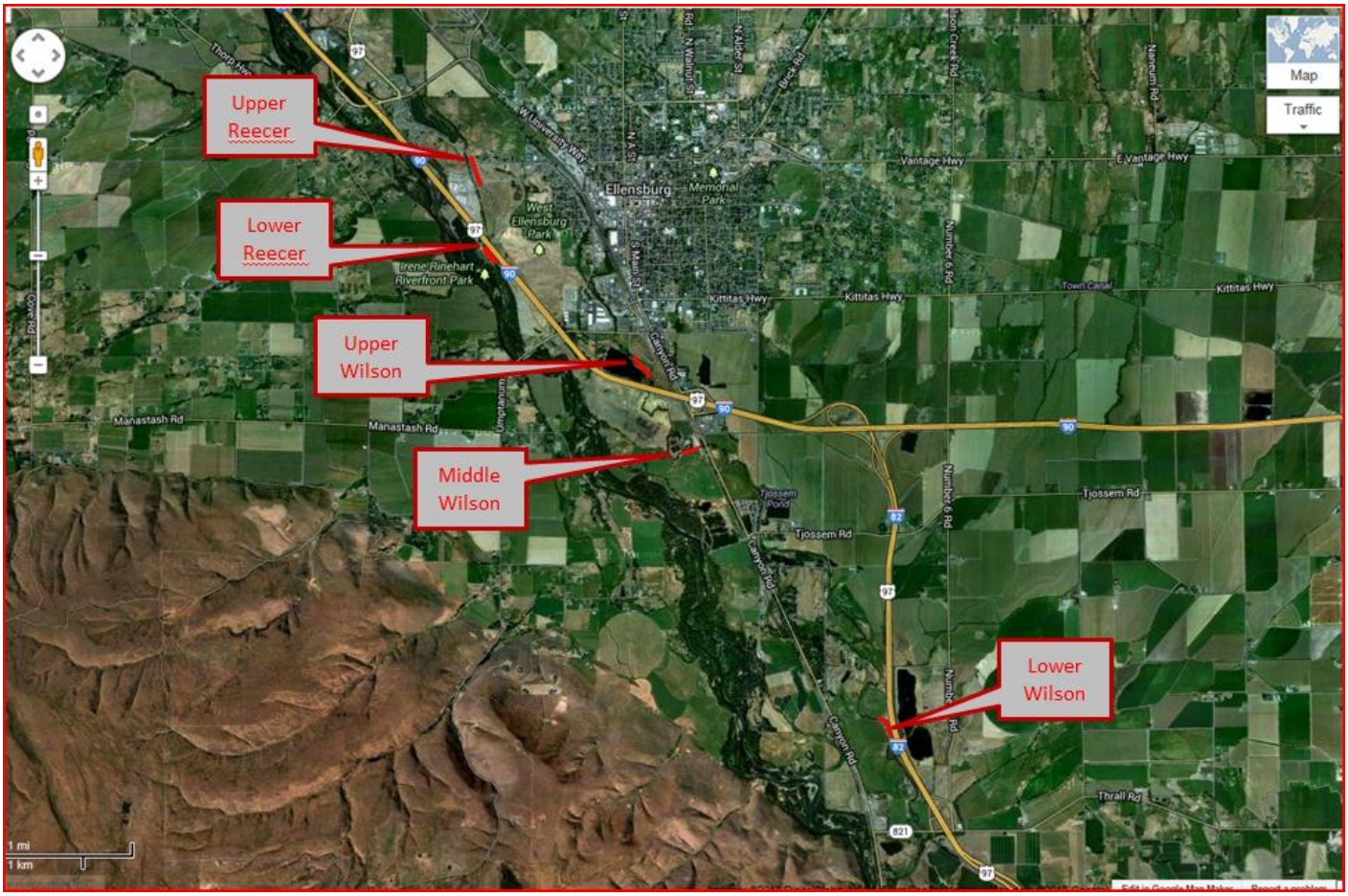

Figure 1. This aerial photo shows the five proposed work sites in relation to the City of Ellensburg and the junction of I-90 and I-82.

B. ENVIRONMENTAL ELEMENTS

1. **Earth**

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other . . . . . .

Each site is relatively flat

b. What is the steepest slope on the site (approximate percent slope)?

Less than 3%

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Upper Reecer: Kayak-Weirman complex 0-2% slopes, prime farmland if irrigated-this property is not irrigated

Lower Reecer: Kayak gravelly ashy loam 0-2% slopes, prime farmland if irrigated-this property is not irrigated

Upper Wilson: Kayak gravelly ashy loam 0-2% slopes, prime farmland if irrigated-this property is not irrigated

Middle Wilson: Nanum ashy sandy clay loam 0-2% slope, prime farmland if irrigated

Lower Wilson: Brickmill gravelly ashy loam and Kayak gravelly ashy loam 0-2% slopes, prime farmland if irrigated

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No, each site is relatively stable and all but the Upper Reecer Creek site are confined, incised channels. The Upper Reecer Creek site is within the Reecer Creek Floodplain Restoration Area that was completed in 2011 and is being revegetated with native species and the creek is allowed to move on its floodplain through this site.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

In each site, no more than 50 cubic yards of spawning gravel (1-5" minus) will be placed in barb like structures along both banks such that natural flows and/or spawning fish can activate the clean gravels. Gravel will be obtained from local quarries and will be installed using a CAD truck. In each site, up to 75 2-3' boulders will be individually placed using a small tracked excavator. There will be no dredging or excavation into the bed or banks to place the boulders.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Not likely as clearing will not be necessary to construct this project. Most project sites are easily accessible with equipment from the bank. Boulders and gravel will be placed to minimize the chances of causing any additional bank erosion or lateral scour in the stream.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

None, not applicable

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

There will be no clearing, grubbing, or excavation associated with this project. Most of the project sites have existing access roads adjacent to the proposed work area.

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Trucks and machinery doing the rock placement will create dust and emissions during construction. In total, the project is not expected to take more than two weeks to complete all five sites so emissions would be minimal.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

None known

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Equipment and vehicles will be turned off when not in use and the project will be planned such that work is accomplished as efficiently as possible to minimize the amount of time equipment is running.

3. **Water**

a. Surface:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Yes, two project sites are located within Reecer Creek, a left bank tributary to the Yakima River at River Mile 153.7 and the other three sites are in Wilson Creek, a left bank tributary to the Yakima River at River Mile 147.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Yes, work will occur within Reecer and Wilson Creeks. A small tracked excavator equipped with a thumb or rubber tire backhoe will individually place boulders in each project site from the banks. Boulders will be placed in clusters as described in WDFW's Stream Habitat Restoration Guidelines (2012). A CAD truck will drive along the banks and shoot gravel into barbs along the banks at each site (Figure 3).

Figure 2. This photo shows an example of boulder clusters placed in a stream, similar to what is proposed with this project.

Figure 3. This photo shows an example of a gravel barb placed in a stream similar to what is being proposed in this project.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

About 250 cubic yards of spawning gravels will be distributed between the five sites and up to 125 cubic yards of boulders will be distributed between the five sites. There will be no excavation or dredging with this project. Rock materials will be clean and from a nearby quarry.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No, not applicable

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

Yes, work will occur within the active stream channel at each site.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No, all materials will be clean. Equipment will work from the banks and the excavator or backhoe will have biodegradable fluids in the hydraulic lines to place boulders.

b. Ground:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

No, not applicable

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None, not applicable

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Work will occur during the dry summer months and will not require any ground disturbance so stormwater is not a concern with this project.

2) Could waste materials enter ground or surface waters? If so, generally describe.

Equipment will work from the banks, mostly on existing access roads. It will be cleaned and in good working condition prior to entering any of the project areas and the excavator/backhoe will have biodegradable hydraulic fluids. There is still a chance of some sort of petroleum leak from a vehicle near the banks during implementation. A spill kit will be available at each site during implementation.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

Equipment will be clean and in good working condition prior to starting work on the project. The hydraulic lines of the excavator/backhoe will be filled with biodegradable fluids and all work will occur from the banks and on existing access roads when possible.

4. **Plants**

a. Check or circle types of vegetation found on the site:

X_____ deciduous tree: alder, maple, aspen, other

X_____ evergreen tree: fir, cedar, pine, other

X_____ shrubs

X_____ grass

X_____ pasture

X_____ crop or grain

_____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

_____ water plants: water lily, eelgrass, milfoil, other

X_____ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Some shrubs may be driven over and/or cut back in a few locations but there will be no removal of vegetation. The two sites on Reecer Creek are the only sites where there may be some pruning necessary to access the creek with the excavator and/or get access for the CAD truck to shoot gravels into the stream.

c. List threatened or endangered species known to be on or near the site.

None known near the project locations, but Ute Ladies'-tresses are listed in Kittitas County.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

No revegetation efforts are planned unless construction results in damage to existing native riparian species. If necessary, local cuttings will be obtained or native species will be planted to replace any damaged trees or shrubs during implementation.

5. **Animals**

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: **hawk, heron, eagle, songbirds**, other:
mammals: **deer**, bear, elk, **beaver**, other:
fish: bass, **salmon, trout**, herring, shellfish, other:

b. List any threatened or endangered species known to be on or near the site.

Middle Columbia River Steelhead
Columbia River Bull Trout

c. Is the site part of a migration route? If so, explain.

Yes, migratory fish (juveniles and adults) enter these tributaries to rear and spawn and return back to the Yakima River. Anadromous fish (coho salmon, Chinook salmon, and steelhead) have all been documented in the project reaches of Reecer and Wilson Creeks where work is proposed.

d. Proposed measures to preserve or enhance wildlife, if any:

The project is proposed to improve the available spawning habitat and thus the resulting egg survival for spawning salmon and steelhead in Reecer and Wilson Creeks.

6. **Energy and natural resources**

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

None, not applicable

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No, not applicable

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

None, not applicable

7. **Environmental health**

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

There is a slight chance of a petroleum spill from equipment or vehicles implementing the project. It's also possible there could be an accident resulting in the need for emergency response teams from Ellensburg or Kittitas County.

1) Describe special emergency services that might be required.

Fire, ambulance, EMT, oil spill response (Ecology, WDFW, Washington Department of Military)

2) Proposed measures to reduce or control environmental health hazards, if any:

All equipment will be in good working order and hydraulic lines of excavator/backhoe will be filled with biodegradable fluids. Safety of the workers and nearby people and infrastructure are the primary concerns with this project. Project areas will be cleared for a safe distance prior to starting work.

b. **Noise**

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

None that will affect the project

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

During construction, the dump truck dumping boulders, excavator/backhoe placing boulders, and CAD truck shooting gravels will be the main noises associated with the project. Work will occur during daylight hours in the normal business week (Monday-Friday). It will take approximately two days to complete work at each site, for a total of 10 working days.

3) Proposed measures to reduce or control noise impacts, if any:

Work will occur Monday-Friday during daylight hours and will be planned to be as efficient as possible to minimize noise impacts. Equipment and vehicles will be turned off when not in use.

8. **Land and shoreline use**

a. What is the current use of the site and adjacent properties?

Upper Reecer: This site is within a floodplain restoration site, limited public use, but is visited by walkers occasionally, mostly in the evenings and on the weekends
Lower Reecer: This site is within a City Park (Irene Rinehart) and is heavily used by the public.
Upper Wilson: This site is on private property in a designated buffer area. Adjacent property will likely be developed in the near future, across the creek is Mattoon Lake, a public fishing area
Middle Wilson: This site is adjacent to the Waste Water Treatment Plant and the surrounding spray field.
Lower Wilson: This site is on private property used for irrigated pasture.

b. Has the site been used for agriculture? If so, describe.

All of the sites have been used for agriculture in the past. Currently, the Lower Wilson site is the only site still in agricultural production.

c. Describe any structures on the site.

Upper Reecer-Dolarway Bridge is upstream of the project area and I-90 is about ½ mile downstream

Lower Reecer-A trailbridge crossing the creek is the upstream boundary of the project site and a vehicular road leading to Carey Lakes is about ½ mile downstream. The parking area for Carey Lakes is nearby

Upper Wilson-The fish screen and associated infrastructure for Bull Canal is upstream of the project reach and I-90 is downstream of the project reach about 200 meters.

Middle Wilson-The Waste Water Treatment Plant and associated spray fields surround the site. The BNSF railroad crossing is downstream of the WWTP access bridge; all work will occur upstream of the access bridge.

Lower Wilson-a concrete diversion structure is in the middle of the proposed work area, but it is no longer used to divert irrigation water. I-82 runs alongside the project site.

d. Will any structures be demolished? If so, what?

No

e. What is the current zoning classification of the site?

Upper Reecer-Incorporated City

Lower Reecer-Incorporated City, Agriculture 20

Upper Wilson- Incorporated City

Middle Wilson- Incorporated City

Lower Wilson-Commercial Agriculture

f. What is the current comprehensive plan designation of the site?

Upper Reecer-City of Ellensburg

Lower Reecer-City of Ellensburg, Rural

Upper Wilson- City of Ellensburg

Middle Wilson-City of Ellensburg, Urban

Lower Wilson- Commercial Agriculture

g. If applicable, what is the current shoreline master program designation of the site?

Upper Reecer-Not a shoreline

Lower Reecer-Conservancy

Upper Wilson-Rural

Middle Wilson-Rural

Lower Wilson-Rural

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

Yes, Reecer and Wilson Creeks are both important fish bearing streams in the Kittitas Valley and will be treated as environmentally sensitive areas.

i. Approximately how many people would reside or work in the completed project?
None, there will be no change

j. Approximately how many people would the completed project displace?
There will be no permanent displacement of people. While working on public property, access will be temporarily restricted around the immediate project area to protect the public and ensure the safety of the workers and visitors.

k. Proposed measures to avoid or reduce displacement impacts, if any:
Work in public areas will be coordinated such that work occurs when park visitors are fewest and work will be done as quickly and efficiently as possible to minimize impacts to recreational displacement.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
There will be no change in land use or plans associated with the proposed project and local, state, and federal authorizations will be obtained prior to implementation.

9. **Housing**

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.
None, not applicable

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.
None, not applicable

c. Proposed measures to reduce or control housing impacts, if any:
None, not applicable

10. **Aesthetics**

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?
There will be no structures above streambank level.

b. What views in the immediate vicinity would be altered or obstructed?
None, not applicable

c. Proposed measures to reduce or control aesthetic impacts, if any:
Natural materials (gravel and boulders) will be used.

11. **Light and glare**

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
None, not applicable

b. Could light or glare from the finished project be a safety hazard or interfere with views?
No

c. What existing off-site sources of light or glare may affect your proposal?
None

d. Proposed measures to reduce or control light and glare impacts, if any:

None, not applicable

12. **Recreation**

a. What designated and informal recreational opportunities are in the immediate vicinity?

Upper Reecer-This site is on City owned property within a floodplain restoration site. The nearby levee serves as an informal walking trail and occasionally people and their pets walk through the floodplain restoration site.

Lower Reecer-This site is within a City owned Park that is frequently visited throughout the year. The project area is between a pedestrian trail bridge and a vehicular access bridge to Carey Lakes. Where work will occur is not frequently used by park visitors, but public will be nearby and will be excluded from the project site.

Upper Wilson-This site is on private property and does not have recreational opportunities. Across the creek is Mattoon Lake which is a publicly owned lake and a popular fishery.

Middle Wilson-This site is within the confines of the Waste Water Treatment Plant's fenced area so access is restricted. There are no recreational opportunities known.

Lower Wilson-This site is privately owned; it may be used by the landowners for fishing or wading.

b. Would the proposed project displace any existing recreational uses? If so, describe.

Extreme caution will be used in all sites to ensure public safety. Both Reecer Creek sites are likely to require construction fencing or other methods to keep the public a safe distance from construction equipment and workers. No more than 2 days at each site will require recreational users to be displaced from the area immediately surrounding the project site.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

Project proponent will work directly with City staff on timing on timing of the work at the Reecer Creek sites to minimize the impact on public recreational uses and work will occur as quickly and efficiently as possible.

13. **Historic and cultural preservation**

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

None known

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

None known

c. Proposed measures to reduce or control impacts, if any:

There will be no ground disturbance associated with this project.

14. **Transportation**

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

Upper Reecer-This site will be accessed via Dolarway Road

Lower Reecer-This site will be accessed via the Dike Road in Irene Rinehart Park off of Umptanum Road

Upper Wilson- This site will be accessed via Umptanum Road

Middle Wilson-This site will be accessed via Canyon Road

Lower Wilson-This site will be accessed via a private drive off of Thrall Road

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

No

c. How many parking spaces would the completed project have? How many would the project eliminate?

None, not applicable

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

The project will not use water, rail, or air transportation. The Middle Wilson site is immediately upstream of a railroad crossing.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

On average, one trip per month to each site for three years to monitor gravel sorting, salmonid spawning, and stream response to boulder clusters.

g. Proposed measures to reduce or control transportation impacts, if any:

Existing roads and access routes will be used as much as possible.

15. **Public services**

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No

b. Proposed measures to reduce or control direct impacts on public services, if any.

None, not applicable

16. **Utilities**

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

Varies by site, but is not applicable as no utilities will be used or impacted during implementation or post construction.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Not applicable

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: .....

6/22/13

Date Submitted: .....